


<b>INFORMATION DISCLOSURE CITATION</b>  PTO-1449				<i>Complete If Known</i>	
				Application Number	10/763,849
				Filing Date	January 22, 2004
				First Named Inventor	Mark A. Horowitz
				Art Unit	2181 2111
				Examiner Name	To be assigned <i>Amv</i>
Sheet <i>1</i> of <i>1</i>				Attorney Docket Number	60809-5000

U.S. PATENT DOCUMENTS						
Examiner Initials	Document Number Number - Kind Code <sup>1</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
<i>MA</i>	5,778,419	07-07-1998	Hansen et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Translation	
	Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> <i>(if known)</i>					Yes	No
						x	
						x	
						x	

OTHER NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>M</i>	GABARA, THADDEUS J., "Digitally Adjustable Resistors in CMOS for High-Performance Applications", <i>IEEE J. Solid-State Circuits</i> , vol. 27, no. 8, August 1992.

Examiner Signature	1-PA/3518923.1 <i>Glenn June</i>	Date Considered	9/7/2005
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Examiner Initials	Document Number Number - Kind Code <sup>1</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Filing Date if Appropriate
MA	4,627,080	12/1986	Debus, Jr., Walter	327	241	
MA	5,029,272	07/1991	Fourcroy et al.	327	91	
MA	5,228,064 A	07/1993	Viviano, Jerome J.	375	359	
MA	5,596,285	01/21/1997	Marbot et al.	326		
MA	5,684,421	11/04/1997	Chapman et al.			
MA	5,831,929	11/03/1998	Manning			
MA	5,838,177	11/17/1998	Keeth			
MA	5,852,378	12/22/1998	Keeth			
MA	5,860,080	01/12/1999	James et al.			
MA	5,870,347	02/09/1999	Keeth et al.			
MA	5,872,736	02/16/1999	Keeth			
MA	5,892,981	04/06/1999	Wiggers	395	878	10/10/96
MA	5,910,920	01/08/1999	Keeth			
MA	5,920,518	07/06/1999	Harrison et al.			
MA	5,926,034	07/20/1999	Seyyed			
MA	5,935,263	08/10/1999	Keeth et al.			
MA	5,940,608	08/17/1999	Manning			
MA	5,940,609	08/17/1999	Harrison			
MA	5,946,244	08/31/1999	Manning			
MA	5,946,260	08/31/1999	Manning			
MA	5,949,254	09/07/1999	Keeth			
MA	5,959,481	09/28/1999	Donnelly et al.	327		
MA	5,959,929	09/28/1999	Cowles et al.			
MA	5,963,502	10/10/1999	Watanabe et al.			
MA	5,986,955	11/16/1999	Siek et al.			
MA	5,996,043	11/30/1999	Manning			
MA	6,000,022	12/07/1999	Manning			
MA	6,011,732	01/04/2000	Harrison et al.			
MA	6,014,759	01/11/2000	Manning			
MA	6,016,282	01/18/2000	Keeth			
MA	6,026,050	02/15/2000	Baker et al.			
MA	6,026,051	02/15/2000	Keeth et al.			
MA	6,028,451	02/22/2000	Ruff	326		
MA	6,029,250	02/22/2000	Keeth			

Examiner Signature	Glenn Auve	Date Considered	9/7/2005
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Examiner Name	Auve, Glenn Allen					
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MA	6,029,252	02/22/2000	Manning			
MA	6,031,787	02/29/2000	Jeddeloh			
MA	6,032,220	02/29/2000	Martin et al.			
MA	6,032,274	02/29/2000	Manning			
MA	6,034,878	03/07/2000	Osaka et al.			
MA	6,047,346	04/04/2000	Lau et al.			
MA	6,321,282	11/2001	Horowitz et al.	326	30	
MA	6,463,392 B1	10/2002	Nygaard et al.	702	89	
MA	6,516,365 B2	02/2003	Horowitz et al.	710	104	

#### FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document Country Code <sup>2</sup> - Number <sup>3</sup> - Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Class	Subclass	Translation	
						Yes	No
						X	

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

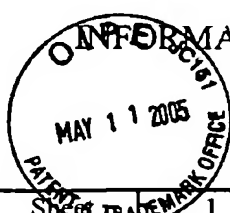
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MA	Dally and Poulton, "Digital Systems Engineering", TOC, pp. 361-366 (1998)
MA	Intel, "82243BX Host Bridge Datasheet", pp. 2-4, 3-25 to 3-27, 4-19 to 4-20
MA	Intel, "Intel® 440BX AGPset: 82443BX Host Bridge/Controller: Datasheet", TOC: pp. 1-1 to 5-9 (1998)
MA	Poulton, "Signaling in High-Performance Memory Systems", ISSCC, 1-59 (1999)
MA	Song and Soo, "NRZ Timing Recovery Technique for Band-Limited Channels", IEEE Journal of Solid-State Circuits, 32(4):514-520 (1997)

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MA		6,684,263	01-27-2004	Horowitz et al.	710	8		
MA		6,661,268	12-09-2003	Stark et al.	327	170		
MA		6,516,365	02-04-2003	Horowitz et al.	710	104		
MA		6,462,588	10-08-2002	Lau et al.	327	108		
MA		6,448,813	09-10-2002	Garlepp et al.	326	83		
MA		6,442,644	08-27-2002	Gustavson et al.	711	105		
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MA		GILLINGHAM, Peter, "SLDRAM Architectural and Functional Overview", SLDRAM Consortium, pp. 1-14, August 29, 1997.						
MA		Intel Corporation, "Intel 430 TX PCISSET: 82439 TX System Controller (MTXC)", February 1997.						
MA		NAKASE et al., "Source Synchronization and Timing Vernier Techniques for 1.2-GB/s SLDRAM Interface", <i>IEEE J. Solid-State Circuits</i> , vol. 34, No. 4, April 1999.						
MA		PARIS et al., "WP 24.3: An 800 MB/s 72 Mb SLDRAM with Digitally-Calibrated DLL", ISSCC Slide Supplement, IEEE, 1999.						
MA		SLDRAM Inc., "400/Mb/s/pin", July 9, 1998.						

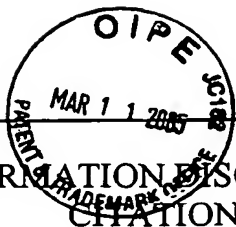
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1-PA/3543115.



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PTO-1449

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Sheet	1	of	1
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<i>MA</i>	6,449,727	09-10-2002	Toda			

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						Yes	No
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						X	
						X	

## OTHER NON PATENT LITERATURE DOCUMENTS

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